

REMARKS

Reconsideration of this application, as amended, is respectfully requested.

In the Final Office Action, and the Advisory Action, the Examiner maintains the rejection of claims 2-6, 8-12 and 14-18 under 35 U.S.C. §102(b) as being allegedly anticipated by U.S. Patent No. 5,387,888 to Eda et al. (hereinafter “Eda”). In response, Applicant has amended the independent claims to clarify their distinguishing features.

Specifically, the Examiner alleges that Eda discloses the internal layer, first layer and second layer as claimed in the present invention. Further, the Examiner contends that the “ground line” is part of the preamble, and that it is not necessary for the internal layer, line and first and second layers to be labeled as being part of the ground line.

In the present invention, as shown in Fig. 3, a plurality of bus lines 7 (#2 - #9) are arranged on the internal layer 2. Ground lines 8 (#1 and #10) are arranged at opposite sides of the bus lines 7. The ground lines 8 are formed with a plurality of through-holes 6. Insulating layers 9 are formed between the ground lines 8 and the bus 5 lines 7, and further between the adjacent bus lines 7 in order to electrically insulate them from one another.

As illustrated in Fig. 4, the internal layer 2 is sandwiched between the first and second ground layers 1 and 3. Thus, the bus lines 7 are surrounded by the first ground layer 1, the second ground layer 3, and the ground lines 8. The first ground layer 1, the second ground layer 3, and the ground lines 8 cooperate with each other to thereby establish a shield by which unnecessary radiation is prevented from being radiated outside of the bus lines 7.

Because the bus lines 7 formed on the internal layer 2 are surrounded by the ground lines 8 and the first and second ground layers 1 and 3, unnecessary radiation is prevented from being

radiated out of the bus lines 7 by a shield effect provided by the ground lines 8 and the first and second ground layers 1 and 3.

Accordingly, independent claims 4, 10 and 16 have been amended to recite a plurality of bus lines arranged on the internal layer, and ground lines arranged at opposite sides of the plurality of bus lines, such that the first ground layer, the second ground layer and the ground lines surround the plurality of bus lines and establish a shield by which unnecessary radiation is prevented from being radiated outside of the plurality of bus lines. Support for the amendment is found throughout the specification; specifically, in Figs. 3-4, and on pages 7-9. Accordingly, Applicant respectfully submits that no new matter has been added by way of the amendment to the claims.

Eda, on the other hand, in Fig. 1, shows a stripline 1 embedded between first and second dielectric layers 2, 2' both made of the same dielectric material. A top ground electrode 3 is provided on the top surface of the second dielectric layer 2' above the stripline 1, while a bottom ground electrode 4 is provided at the bottom surface of the first dielectric layer 2 below the stripline 1. However, Eda does not show a plurality of bus lines with ground lines arranged at opposite sides of the bus lines, such that the first ground layer, the second ground layer and the ground lines surround the plurality of bus lines and establish a shield by which unnecessary radiation is prevented from being radiated outside of the plurality of bus lines.

Anticipation requires the presence in a single prior art reference, disclosure of each and every element of the claimed invention, arranged as in the claim. Lindeman Maschinenfabrik GMBH v. American Hoist and Derrick Company, 730 F.2d 1452, 1458, 221 U.S.P.Q. 481, 485 (Fed. Cir. 1984). As Eda fails to show each and every element of the claims as shown above,

Applicant respectfully submits that the 35 U.S.C. §102(b) rejection of claims 2-6, 8-12 and 14-18 under Eda is improper.

Accordingly, Applicant respectfully requests withdrawal of the 35 U.S.C. §102(b) rejection of claims 2-6, 8-12 and 14-18, and respectfully requests allowance of claims 2-6, 8-12 and 14-18.

In view of the above, it is respectfully submitted that this application is in condition for allowance. Accordingly, it is respectfully requested that this application be allowed and a Notice of Allowance issued. If the Examiner believes that a telephone conference with Applicant's attorney would be advantageous to the disposition of this case, the Examiner is requested to telephone the undersigned.

Respectfully submitted,

A handwritten signature consisting of two slanted strokes forming a stylized 'P' or 'J' shape.

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